

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/582,061
Source: IFWP
Date Processed by STIC: 06/19/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,061

TIME: 11:40:47

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

```

3 <110> APPLICANT: University of Virginia Patent Foundation
4     Herr, John C
5     Sleight, Susan C.
7 <120> TITLE OF INVENTION: Band 5: A human testis specific protein
9 <130> FILE REFERENCE: 00955-03
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/582,061
C--> 11 <141> CURRENT FILING DATE: 2006-06-08
11 <150> PRIOR APPLICATION NUMBER: US 60/527,875
12 <151> PRIOR FILING DATE: 2003-12-08
14 <150> PRIOR APPLICATION NUMBER: PCT/US04/41440
15 <151> PRIOR FILING DATE: 2004-12-08
17 <160> NUMBER OF SEQ ID NOS: 9
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 10
23 <212> TYPE: PRT
24 <213> ORGANISM: Mus musculus
26 <400> SEQUENCE: 1
28 Cys Asp Gln Phe Val Thr Asp Ala Leu Lys
29 1      5      10
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 9
34 <212> TYPE: PRT
35 <213> ORGANISM: Mus musculus
37 <400> SEQUENCE: 2
39 Gly Leu Thr Asp Tyr Ser Phe Tyr Arg
40 1      5
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 13
45 <212> TYPE: PRT
46 <213> ORGANISM: Mus musculus
48 <400> SEQUENCE: 3
50 Ser Met Val Gly Pro Glu Asp Ala Gly Asn Tyr Arg Cys
51 1      5      10
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 15
56 <212> TYPE: PRT
57 <213> ORGANISM: Mus musculus
59 <400> SEQUENCE: 4
61 Cys Val Leu Asp Thr Ile Asn Gln Gly His Ala Thr Val Ile Arg
62 1      5      10      15
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 14

```

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,061

TIME: 11:40:47

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

```

67 <212> TYPE: PRT
68 <213> ORGANISM: Mus musculus
70 <400> SEQUENCE: 5
72 Asn Ala Ser Asp Glu Val Lys Pro Thr Ala Ser Gly Ser Lys
73 1          5          10
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 1479
78 <212> TYPE: DNA
79 <213> ORGANISM: Mus musculus
81 <400> SEQUENCE: 6
82 gggatgaccg gtgactcttg gagtcagtag aaaaacccta aattactctc cccagtcttc      60
84 caaggaaaac cttactctta gtcgtgagaa agtattttta aaagtcctca gaacctggac      120
86 tgagctgggt gaagcattag cgcttgaggg cgcggaattg gaaagcggct tttaaaggg      180
88 gttgtttaag cgccctcccc cctgccctct gtttgggggt agaggatcct ctggcggtgc      240
90 tggcaagctg tgcgttctgg ccttcattgg gccgcatttt acactcttgc tggcagctct      300
92 tgccaactgc ctgtgtccag ggaggccctg catcaaagt gaccagtttg tgacagatgc      360
94 gctaaagact ttcgaaaaca cttacctgaa tgaccacctg ccacacgaca ttcacaaaaa      420
96 tgtaatgagg atggtgaacc atgaagtatc gagcttcggc gtagtcactt cggctgagga      480
98 ttctattttg ggggcccgtg acgagaacac actggaacaa gcaacctgga gttttctgaa      540
100 ggatctgaag cgtattacag acagtgactt aaaaggagag ctctttataa aggaactatt      600
102 gtggatgctt cgtcatcaaa aggacatctt taacaatctt gctagacagt tccaaaagga      660
104 agttctttgt cccaacaaat gcggagtgat gtcgcagact ttgatctggg gtcttaagtg      720
106 cgaaaagcag ttgcacattt gtcggaaatc cctagatttg ggagagcgcc acatagaggt      780
108 acatcgctcg gaagacctgg tcctggactg tctgtcagtg tggcatcggt cttctaaggg      840
110 acttacagat tacagttttt acagggtttg ggagaacagt tctgagacct tgattgcca      900
112 ggggaaagaa ccatactctga ccaagtcgat ggtgggtcca gaggatgctg gcaactaccg      960
114 ctgtgtgcta gataccatca accaaggtca tgccaccgtc atccgctacg atgtcacagt      1020
116 attgccccca aagcattcag aggaaaacca accaccgaac atcataacct aagaggagca      1080
118 cgagactcct gtccacgtga ctccacagac accaccgggg caggagccag agtcggagct      1140
120 gtaccgggag ctcgaccag agttgtacct ggagtcata cctacagtcg ctcaaatcc      1200
122 agagaaaaaa atgaaaactc gctcttaat actggtgacc cttggctttg tggttcttgt      1260
124 ggccagcatc attatctcgg tacttcactt taggaaagtc agcgctaaat tgaagaatgc      1320
126 aagtgcagaa gtcaaaccga ccgcgtcagg atccaagtc gatcagagtt tgtcccaaca      1380
128 gatgggattg aagaaggcct ctcaggcaga ttttaactct gactactctg gagataagag      1440
130 cgaggcaaca gaaaactaat aaagatttgt atttgactc      1479
133 <210> SEQ ID NO: 7
134 <211> LENGTH: 397
135 <212> TYPE: PRT
136 <213> ORGANISM: Mus musculus
138 <400> SEQUENCE: 7
140 Met Gly Pro His Phe Thr Leu Leu Leu Ala Ala Leu Ala Asn Cys Leu
141 1          5          10          15
144 Cys Pro Gly Arg Pro Cys Ile Lys Cys Asp Gln Phe Val Thr Asp Ala
145          20          25          30
148 Leu Lys Thr Phe Glu Asn Thr Tyr Leu Asn Asp His Leu Pro His Asp
149          35          40          45
152 Ile His Lys Asn Val Met Arg Met Val Asn His Glu Val Ser Ser Phe
153          50          55          60
156 Gly Val Val Thr Ser Ala Glu Asp Ser Tyr Leu Gly Ala Val Asp Glu

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,061

DATE: 06/19/2006

TIME: 11:40:47

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

```

157 65          70          75          80
160 Asn Thr Leu Glu Gln Ala Thr Trp Ser Phe Leu Lys Asp Leu Lys Arg
161          85          90          95
164 Ile Thr Asp Ser Asp Leu Lys Gly Glu Leu Phe Ile Lys Glu Leu Leu
165          100          105          110
168 Trp Met Leu Arg His Gln Lys Asp Ile Phe Asn Asn Leu Ala Arg Gln
169          115          120          125
172 Phe Gln Lys Glu Val Leu Cys Pro Asn Lys Cys Gly Val Met Ser Gln
173          130          135          140
176 Thr Leu Ile Trp Cys Leu Lys Cys Glu Lys Gln Leu His Ile Cys Arg
177 145          150          155          160
180 Lys Ser Leu Asp Cys Gly Glu Arg His Ile Glu Val His Arg Ser Glu
181          165          170          175
184 Asp Leu Val Leu Asp Cys Leu Leu Ser Trp His Arg Ala Ser Lys Gly
185          180          185          190
188 Leu Thr Asp Tyr Ser Phe Tyr Arg Val Trp Glu Asn Ser Ser Glu Thr
189          195          200          205
192 Leu Ile Ala Lys Gly Lys Glu Pro Tyr Leu Thr Lys Ser Met Val Gly
193          210          215          220
196 Pro Glu Asp Ala Gly Asn Tyr Arg Cys Val Leu Asp Thr Ile Asn Gln
197 225          230          235          240
200 Gly His Ala Thr Val Ile Arg Tyr Asp Val Thr Val Leu Pro Pro Lys
201          245          250          255
204 His Ser Glu Glu Asn Gln Pro Pro Asn Ile Ile Thr Gln Glu Glu His
205          260          265          270
208 Glu Thr Pro Val His Val Thr Pro Gln Thr Pro Pro Gly Gln Glu Pro
209          275          280          285
212 Glu Ser Glu Leu Tyr Pro Glu Leu His Pro Glu Leu Tyr Pro Glu Leu
213          290          295          300
216 Ile Pro Thr Val Ala Gln Asn Pro Glu Lys Lys Met Lys Thr Arg Leu
217 305          310          315          320
220 Leu Ile Leu Leu Thr Leu Gly Phe Val Val Leu Val Ala Ser Ile Ile
221          325          330          335
224 Ile Ser Val Leu His Phe Arg Lys Val Ser Ala Lys Leu Lys Asn Ala
225          340          345          350
228 Ser Asp Glu Val Lys Pro Thr Ala Ser Gly Ser Lys Ser Asp Gln Ser
229          355          360          365
232 Leu Ser Gln Gln Met Gly Leu Lys Lys Ala Ser Gln Ala Asp Phe Asn
233          370          375          380
236 Ser Asp Tyr Ser Gly Asp Lys Ser Glu Ala Thr Glu Asn
237 385          390          395
240 <210> SEQ ID NO: 8
241 <211> LENGTH: 350
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 8
247 Met Gly Pro His Phe Thr Leu Leu Cys Ala Ala Leu Ala Gly Cys Leu
248 1          5          10          15
251 Leu Pro Ala Glu Gly Cys Val Ile Cys Asp Pro Ser Val Val Leu Ala

```

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,061

TIME: 11:40:47

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

```

252          20          25          30
255 Leu Lys Ser Leu Glu Lys Asp Tyr Leu Pro Gly His Leu Asp Ala Lys
256          35          40          45
259 His His Lys Ala Met Met Glu Arg Val Glu Asn Ala Val Lys Asp Phe
260          50          55          60
263 Gln Glu Leu Ser Leu Asn Glu Asp Ala Tyr Met Gly Val Val Asp Glu
264 65          70          75          80
267 Ala Thr Leu Gln Lys Gly Ser Trp Ser Leu Leu Lys Asp Leu Lys Arg
268          85          90          95
271 Ile Thr Asp Ser Asp Val Lys Gly Asp Leu Phe Val Lys Glu Leu Phe
272          100         105         110
275 Trp Met Leu His Leu Gln Lys Glu Thr Phe Ala Thr Tyr Val Ala Arg
276          115         120         125
279 Phe Gln Lys Glu Ala Tyr Cys Pro Asn Lys Cys Gly Val Met Leu Gln
280          130         135         140
283 Thr Leu Ile Trp Cys Lys Asn Cys Lys Lys Glu Val His Ala Cys Arg
284 145         150         155         160
287 Lys Ser Tyr Asp Cys Gly Glu Arg Asn Val Glu Val Pro Gln Met Glu
288          165         170         175
291 Asp Met Ile Leu Asp Cys Glu Leu Asn Trp His Gln Ala Ser Glu Gly
292          180         185         190
295 Leu Thr Asp Tyr Ser Phe Tyr Arg Val Trp Gly Asn Asn Thr Glu Thr
296          195         200         205
299 Leu Val Ser Lys Gly Lys Glu Ala Thr Leu Thr Lys Pro Met Val Gly
300          210         215         220
303 Pro Glu Asp Ala Gly Ser Tyr Arg Cys Glu Leu Gly Ser Val Asn Ser
304 225         230         235         240
307 Ser Pro Ala Thr Ile Asn Phe His Val Thr Val Leu Pro Lys Met
308          245         250         255
311 Ile Lys Glu Glu Lys Pro Ser Pro Asn Ile Val Thr Pro Gly Glu Ala
312          260         265         270
315 Thr Thr Glu Ser Ser Ile Ser Leu Gln Pro Leu Gln Pro Glu Lys Met
316          275         280         285
319 Leu Ala Ser Arg Leu Leu Gly Leu Leu Ile Cys Gly Ser Leu Ala Leu
320          290         295         300
323 Ile Thr Gly Leu Thr Phe Ala Ile Phe Arg Arg Arg Lys Val Ile Asp
324 305         310         315         320
327 Phe Ile Lys Ser Ser Leu Phe Gly Leu Gly Ser Gly Val Ala Glu Gln
328          325         330         335
331 Thr Gln Val Pro Lys Glu Lys Ala Thr Asp Ser Arg Gln Gln
332          340         345         350
335 <210> SEQ ID NO: 9
336 <211> LENGTH: 1695
337 <212> TYPE: DNA
338 <213> ORGANISM: Homo sapiens
340 <400> SEQUENCE: 9
341 ggaatatcta taaaggaatt cgggcccccta cgtgagaagc tcggaggggg tggtttcagg      60
343 agttccttgt ggagagggga tcgtccgtga ctcagacccc gtcgaaaagc tctcgatttc      120
345 acgcaaccaa ccttaccctc gtccccaaca caatccttga ttttaccctt gggaaaatta      180

```

RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/582,061

TIME: 11:40:47

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

| | | | | | | | |
|-----|------------|------------|------------|------------|------------|------------|------|
| 347 | gcgtaggtgg | tcatgacccc | ggcttctctt | ttaaaagccc | tcagaacctg | gaccgggctc | 240 |
| 349 | ctcaatgaac | cctagtgtta | gaggccacaa | atcggaatc | aaggtcgggg | agcggctgtt | 300 |
| 351 | tagggtgcat | cactgttcag | gatgcacgg | ggctcctttt | tctaagcggg | agtgtgcgcc | 360 |
| 353 | ctgcaaattg | gaagcccgtt | agttttgggg | aagggtgaa | aagggccccc | taggtctaga | 420 |
| 355 | ggaccgcatg | gagtctcgt | taagtgttag | tggggtcctc | agttctagaa | atctgcgttc | 480 |
| 357 | tcctgctctc | ggtttggggg | gagagcacc | ttcctaacgg | tcttcgggaa | ctgtgcgcgc | 540 |
| 359 | cggctgcaat | ggggccgcat | tttaccctcc | tgtgtgcggc | gctggccggg | tgttgccttc | 600 |
| 361 | ctgccgaggg | gtgtgttata | tgtgaccggt | ctgtcgtgct | ggcgctaaag | tccttgagga | 660 |
| 363 | aagattacct | gcctggccac | ctggatgcca | agcatcaca | agccatgatg | gaaagggtag | 720 |
| 365 | agaatgccgt | gaaggatttc | caggaaactg | cgcttaatga | ggatgcctat | atgggggtcg | 780 |
| 367 | ttgatgaggg | cacactgcaa | aaggggtcct | ggagtttgct | gaaggatctg | aaacgcacat | 840 |
| 369 | cagacagtga | tgtaaaaggc | gatctctttg | tgaaggagct | atgttggtat | ttgcacttgc | 900 |
| 371 | aaaaggaaac | ctttgccacc | tatgttgctc | gattccaaaa | agaggcttat | tgtcccaaca | 960 |
| 373 | aatgtgggtg | gatgttgcaa | actctgatct | ggcgcaagaa | ctgcaaaaag | gaggttcacg | 1020 |
| 375 | cttgtcgaaa | gtcctacgat | tgcggggagc | ggaatgtgga | agttcctcaa | atggaagaca | 1080 |
| 377 | tgatcctgga | ctgtgagtta | aactggcatc | aggcttcgga | aggcctcact | gattacagct | 1140 |
| 379 | tttacagggt | ttgggggaac | aatacggaga | ccttgggtgc | caaggggaaa | gaggccaccc | 1200 |
| 381 | tgaccaagcc | catggtgggt | ccagaggatg | caggcagcta | ccgctgcgag | ctgggctctg | 1260 |
| 383 | tgaattccag | cccagccacg | atcatcaatt | ttcacgtcac | agtgttgccc | aaaatgatca | 1320 |
| 385 | aggaggaaaa | accttctcca | aatatcgtaa | ccccggggga | ggcgaccacg | gagtcgtcca | 1380 |
| 387 | taagcctcca | gcctctgcag | cccagaaaaa | tgttggaag | ccgccttctg | gggctgctga | 1440 |
| 389 | tctgcggctc | cctagcactg | ataaccggcc | ttacctttgc | gatatttctg | cgaaggaagg | 1500 |
| 391 | tgatcgattt | catcaaatac | tcactgtttg | gccttggcag | tggagttgcc | gagcaaaccc | 1560 |
| 393 | aggtcccaaa | agaaaaggcc | acagattcga | ggcaacaata | aagatttatc | ttgttgtcta | 1620 |
| 395 | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | aaaaaaaaaa | 1680 |
| 397 | aaaaaaaaaa | aaaaa | | | | | 1695 |

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/582,061

DATE: 06/19/2006

TIME: 11:40:48

Input Set : A:\Herr-Band5.00955-03.txt

Output Set: N:\CRF4\06192006\J582061.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date